## AMENDMENTS TO THE CLAIMS

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

## Listing of Claims

- 1. (Previously Presented) An ink comprising an aqueous vehicle and dispersed particles of a silvl-terminated sulfopoly(ester-urethane), wherein said ink is an ink jet ink.
- 2. (Previously Presented) The ink of claim 1, wherein the silyl-terminated sulfopoly(ester-urethane) is described by the formula:

$$\begin{array}{l}
R \longrightarrow \left\{ \begin{matrix}
O \\
C \\
-O - R^D - (X^1 - R^2)_m - (X^1 - R^H)_m - (X^1 - R^3)_s - X^2 - R^3 - Y \\
SO_3M \end{matrix} \right\}_{2}$$

wherein

R represents a trivalent C6 - C12 aryl group or a trivalent C1 - C20 aliphatic group wherein M is H<sup>+</sup>, an alkali metal cation, an alkaline earth metal cation, or a primary, secondary, tertiary, or quaternary ammonium cation;

each m independently represents 0 or 1, each n independently represents 0 or 1, each s independently represents 0 or 1, with the proviso that, at least one of m or n must be equal to 1; each RD independently represents:

1) at least one of a divalent linear or branched organic group of 20 to 150 carbon atoms in units of 2 to 12 methylene groups and arylene groups of 6 to 10 carbon atoms separated by at least one of 1 to 50 catenary oxygen atoms and by 1 to 30 oxycarbonyl groups,

$$\left( -\mathbf{o} - \mathbf{c} - \mathbf{c} \right)$$

2) an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group,

a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylene group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of up to 15 carbon atoms, which organic group can be chain extended by a transesterification reaction between a diol terminated ester precursor and a lower aliphatic diester of an aliphatic diacid having from 2 to 12 carbons or an aromatic diacid having from 8 to 12 carbons or reaction between a diol terminated ester precursor and an aliphatic lactone of 4 to 6 carbons, or

3) the structure  $\{-R^1(X^1-R^2-X^1-R^1)_{n-1}\}$  where p is an integer from 1 to 5, produced by the reaction of a polyol with an isocyanate having the structure OCN-R2-NCO to produce a segment having a molecular weight of from 500 to 4,000;

each R1 independently represents a linear or branched alkylene group having 2 to 12 carbon atoms, or an arylene group having 6 to 10 carbon atoms;

each X1 independently represents

each R2 independently represents an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group. a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylene group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of at most 15 carbon atoms:

each X2 independently represents

wherein each RA independently represents hydrogen, lower alkyl having I to 4 carbon atoms, or R1-Y:

each RH independently represents a divalent hydrophobic group selected from divalent oligomeric siloxanes having the structure

$$-R^{3}$$
 $(SiO)_{\overline{g}}$ 
 $R^{3}$ 
 $R^{5}$ 
 $R^{5}$ 

divalent organic groups having the structure

$$-R^3 - N - R^3 - X^3 - X^3 - X^6$$

or divalent organic groups having one of the structures

or quaternary salts thereof, wherein

each R3 independently represents a divalent linear or branched alkylene group having 2 to 12 carbon atoms, or a divalent arviene or alkarviene group having 6 to 20 carbon atoms;

each Y independently represents H, an alkyl group having from 1 to 20 carbon atoms, an aryl group having from 6 to 10 carbon atoms, or

$$-\mathrm{Si}(\mathrm{OR}^8)_z(\mathrm{R}^4)_w$$

wherein each R4 independently represents a monovalent lower alkyl group having from 1 to 4 carbon atoms, each R8 is H or a monovalent lower alkyl group having from 1 to 4 carbon atoms, each z is independently 2 or 3, each w is independently 0 or 1, and wherein z + w = 3. with the proviso that at least one Y has the formula

$$-\operatorname{Si}(\operatorname{OR}^8)_z(\operatorname{R}^4)_w$$
.

each  $R^5$  independently represents a monovalent group selected from the group consisting of alkyl groups of 1 to 12 carbon atoms, aryl having 6 to 10 carbon atoms, or aralkyl groups having 6 to 10 carbon atoms, with at least 70 percent of  $R^4$  being methyl;

each g independently represents an integer of from 10 to 300;

each X3 independently represents a covalent bond, a carbonyl group,

or a divalent amido group

each  $R^6$  independently represents a monovalent group selected from the group consisting of alkyl groups of about 4 to about 60 carbon atoms;

each  $\mathbb{R}^7$  independently represents a divalent group selected from the group consisting of alkylene groups of 2 to about 12 carbon atoms; and

each  $R_f$  independently represents a monovalent saturated fluoroaliphatic group having 6 to 12 carbon atoms, at least four of which are fully-fluorinated carbon atoms.

- 3. (Previously Presented) The ink of claim 1, wherein the ink is free of organic solvents.
- (Previously Presented) The ink of claim 1, further comprising a colorant, wherein the colorant is a pigment.
- 5. (Previously Presented) The ink of claim 1, further comprising a colorant, wherein the colorant is a dye.
- (Previously Presented) The ink of claim 1, further comprising an additional dispersed polymer.

- 7. (Previously Presented) The ink of claim 6, wherein the additional dispersed polymer is present in an amount of from about 0.1 to about 3 times the weight of the silyl-terminated sulfopoly(ester-urethane) polymer.
- 8. (Previously Presented) The ink of claim 7, wherein the additional dispersed polymer is an acrylic polymer.
  - 9. (Previously Presented) The ink of claim 1, further comprising a humectant.
- 10. (Previously Presented) The ink of claim 1, wherein the ink has a solids content of at least 20 weight percent of the total ink composition.
- 11. (Previously Presented) The ink of claim 1, wherein the ink has a solids content of at least 30 weight percent of the total ink composition.
- 12. (Previously Presented) The ink of claim 1, wherein the ink has a solids content of at least 50 weight percent of the total ink composition.
- 13. (Previously Presented) The ink of claim 1, wherein the ink has a viscosity of less than about 20 mPa·s at 20 °C and at a shear rate of 1000 s<sup>-1</sup>.
- 14. (Previously Presented) The ink of claim 1, wherein the ink has a viscosity of less than about 5 mPa·s at 20 °C and at a shear rate of 1000 s-1.
  - 15. (Previously Presented) The ink of claim 2, wherein

is:

and wherein each R<sup>9</sup> independently represents a linear or branched alkylene group having 2 to 12 carbon atoms, an arylene group having 6 to 10 carbon atoms, or may also comprise an oligomeric segment.

- 16. (Previously Presented) The ink of claim 15, wherein the ink is contained within an ink let printer cartridge.
- 17. (Previously Presented) A blendable ink set comprising at least three blendable inks, wherein each ink in the ink set comprises the ink of claim 1.
- 18. (Previously Presented) The ink set of claim 17, wherein the blendable inks comprise yellow, magenta, and evan inks.
- 19. (Previously Presented) The ink set of claim 17, further comprising a fourth blendable ink.

- 20. (Previously Presented) The ink set of claim 19, wherein the fourth blendable ink is a black ink.
- 21. (Previously Presented) The ink set of claim 19, further comprising a fifth blendable ink.
- 22. (Previously Presented) The ink set of claim 21, wherein the fifth blendable ink is a white ink.
- 23. (Previously Presented) The ink of claim 1, wherein the ink is contained within an ink jet printer cartridge.
- 24. (Previously Presented) A method of imaging a substrate, said method comprising ink jet printing an aqueous composition onto a substrate, wherein the aqueous composition comprises an aqueous vehicle and a silyl-terminated sulfopoly(ester-urethane) having the formula:

$$R - \left\{ \begin{matrix} O \\ II \\ C - O - R^D - (X^1 - R^2)_m - (X^1 - R^H)_n - (X^1 - R^3)_s - X^2 - R^3 - Y \\ SO_3M \end{matrix} \right\}_2$$

wherein

R represents a trivalent  $C_6$  -  $C_{12}$  aryl group or a trivalent  $C_1$  -  $C_{20}$  aliphatic group wherein M is  $H^+$ , an alkali metal cation, an alkaline earth metal cation, or a primary, secondary, tertiary, or quaternary ammonium cation;

each m independently represents 0 or 1, each n independently represents 0 or 1, each s independently represents 0 or 1, with the proviso that, at least one of m or n must be equal to 1; each  $R^D$  independently represents:

 at least one of a divalent linear or branched organic group of 20 to 150 carbon atoms in units of 2 to 12 methylene groups and arylene groups of 6 to 10 carbon atoms separated by at least one of 1 to 50 catenary oxygen atoms and by 1 to 30 oxycarbonyl groups.

2) an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenemethylene group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of up to 15 carbon atoms, which organic group can be chain extended by a transesterification reaction between a diol terminated ester precursor and a lower aliphatic diester of an aliphatic diacid having from 2 to 12 carbons or an aromatic diacid having from 8 to 12 carbons or reaction between a diol terminated ester precursor and an aliphatic lactone of 4 to 6 carbons, or

(\_o\_c\_\_)

3) the structure {-R¹(X¹-R²-X¹-R¹)p-} where p is an integer from 1 to 5, produced by the reaction of a polyol with an isocyanate having the structure OCN-R²-NCO to produce a segment having a molecular weight of from 500 to 4,000;

each  $R^1$  independently represents a linear or branched alkylene group having 2 to 12 carbon atoms, or an arylene group having 6 to 10 carbon atoms;

each X1 independently represents

each  $\mathbb{R}^2$  independently represents an organic group selected from the group consisting of a linear or branched alkylene group having 2 to 12 carbon atoms, a cyclopentamethylene group, a cyclohexamethylene group, a 5- or 6-membered azacyclic group, a phenylene group, a naphthalene group, a phenylenemethylenephenylene group, the organic group optionally being substituted by up to four lower alkyl groups having 1 to 4 carbon atoms and a total of at most 15 carbon atoms:

each X2 independently represents

wherein each  $\mathbb{R}^{A}$  independently represents hydrogen, lower alkyl having 1 to 4 carbon atoms, or  $\mathbb{R}^{1}$ -Y:

O R<sup>A</sup> R<sup>A</sup> O R<sup>A</sup> O

each  $\mathbb{R}^H$  independently represents a divalent hydrophobic group selected from divalent oligomeric siloxanes having the structure

divalent organic groups having the structure

$$-R^3-N-R^3 X^3$$
 $R^6$ 

or divalent organic groups having one of the structures

or quaternary salts thereof, wherein

each R<sup>3</sup> independently represents a divalent linear or branched alkylene group having 2 to 12 carbon atoms, or a divalent arylene or alkarylene group having 6 to 20 carbon atoms;

each Y independently represents H, an alkyl group having from 1 to 20 carbon atoms, an aryl group having from 6 to 10 carbon atoms, or

$$-Si(OR^8)_z(R^4)_w$$

wherein each  $\mathbb{R}^4$  independently represents a monovalent lower alkyl group having from 1 to 4 carbon atoms, each  $\mathbb{R}^8$  is H or a monovalent lower alkyl group having from 1 to 4 carbon

atoms, each z is independently 2 or 3, each w is independently 0 or 1, and wherein z + w = 3, with the proviso that at least one Y has the formula

$$-\operatorname{Si}(\operatorname{OR}^8)_z(\operatorname{R}^4)_w$$
.

each R5 independently represents a monovalent group selected from the group consisting of alkyl groups of 1 to 12 carbon atoms, aryl having 6 to 10 carbon atoms, or aralkyl groups having 6 to 10 carbon atoms, with at least 70 percent of R<sup>4</sup> being methyl;

each g independently represents an integer of from 10 to 300:

each X3 independently represents a covalent bond, a carbonyl group,

or a divalent amido group

$$\begin{pmatrix} O \\ H \\ C \end{pmatrix}$$

$$\begin{pmatrix} O \\ H \\ C - NH \end{pmatrix}$$

each R6 independently represents a monovalent group selected from the group consisting of alkyl groups of about 4 to about 60 carbon atoms;

each R7 independently represents a divalent group selected from the group consisting of alkylene groups of 2 to about 12 carbon atoms; and

each Rf independently represents a monovalent saturated fluoroaliphatic group having 6 to 12 carbon atoms, at least four of which are fully-fluorinated carbon atoms.

- 25. (Previously Presented) The method of claim 24, wherein the composition further comprises a colorant.
- 26. (Previously Presented) The method of claim 24, wherein the composition further comprises an additional dispersed polymer.
- 27. (Previously Presented) The method of claim 24, wherein the composition further comprises a humectant.

- 28. (Previously Presented) The method of claim 24, wherein the ink jet printing step comprises piezo ink jet printing.
  - 29. (Previously Presented) The method of claim 24, wherein the substrate is a fabric.
  - 30. (Previously Presented) The method of claim 29, wherein the fabric is a textile.
  - 31. (Previously Presented) The method of claim 24, wherein the substrate is glass.
- 32. (Previously Presented) The method of claim 24, wherein the substrate is a polymer film.
- 33. (Previously Presented) The method of claim 32, wherein the polymer film is a laminate.
  - 34. (Previously Presented) The method of claim 24, wherein the substrate is paper.
- 35. (Previously Presented) An article comprising a substrate imaged according to the method of claim 24.
  - 36-52. (Cancelled)